

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
6 May 2005 (06.05.2005)

PCT

(10) International Publication Number
WO 2005/040198 A1

(51) International Patent Classification⁷: C07K 2/00, (74) Agent: PHILLIPS ORMONDE & FITZPATRICK; 367 A61K 38/19, 38/20, C07K 7/06, 14/715, 14/71, A61P 35/00, 43/00 Collins Street, Melbourne, VIC 3000 (AU).

(21) International Application Number:
PCT/AU2004/001480

(22) International Filing Date: 27 October 2004 (27.10.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2003905932 27 October 2003 (27.10.2003) AU

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2005/040198 A1

(54) Title: A BINDING MOTIF AND METHODS OF REGULATING CELL FUNCTION

(57) Abstract: The present invention relates to a binding motif and methods of regulating cell function which methods target a single amino acid residue preferably a Tyr in a binding motif equivalent to a motif of the common beta chain (Bc) of the GM-CSF/IL-3/IL-5 receptor. Preferably, the cell functions affect cell survival and proliferation in cells. The methods can be used for treatments of conditions relating to cell survival and proliferation and can be used to expand progenitor cells, for instance, for transplantation purposes.